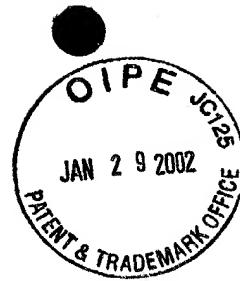


B
SEQUENCE LISTING



<110> Dong, Fang
Lyamichev, Victor
Prudent, James
Fors, Lance
Neri, Bruce
Brow, Mary Ann
Anderson, Todd
Dahlberg, James

RECEIVED

FEB 06 2002

TECH CENTER 1600/2900

<120> Target-Dependent Reactions Using Structure-Bridging Oligonucleotides

<130> FORS-04012

<140> 09/402,618

<141> 2000-07-18

<150> PCT/US98/03194

<151> 1998-05-05

<160> 128

<170> PatentIn version 3.0

<210> 1

<211> 391

<212> DNA

<213> *Mycobacterium tuberculosis*

<400> 1

agctcgtagt gcaccggaac cggtaaggac gcgatcacca gcgccatcga ggtcgatgg

60

acgaacaccc cgacgaaatg ggacaacagt ttccctcgaga tcctgtacgg ctacgagtgg 120
gagctgacga agagccctgc tggcgcttgg caatacaccg ccaaggacgg cgccgggtgcc 180
ggcaccatcc cggacccgtt cggcgggcca gggcgctccc cgacgatgtct ggcactgac 240
ctctcgctgc gggtgatcc gatctatgag cggatcacgc gtcgctggct ggaacacccc 300
gaggaattgg ccgacgagtt cgccaaaggcc tggtaacaagc tgatccacccg agacatgggt 360
cccggttgcga gataccttgg gccgggtggc c 391

<210> 2

<211> 391

<212> DNA

<213> *Mycobacterium tuberculosis*

<400> 2
agctcgatgc acggaaac cggtaaggac gcgatcacca cggcatcga ggtcgatgg 60
acgaacaccc cgacgaaatg ggacaacagt ttccctcgaga tcctgtacgg ctacgagtgg 120
gagctgacga agagccctgc tggcgcttgg caatacaccg ccaaggacgg cgccgggtgcc 180
ggcaccatcc cggacccgtt cggcgggcca gggcgctccc cgacgatgtct ggcactgac 240
ctctcgctgc gggtgatcc gatctatgag cggatcacgc gtcgctggct ggaacacccc 300
gaggaattgg ccgacgagtt cgccaaaggcc tggtaacaagc tgatccacccg agacatgggt 360
cccggttgcga gataccttgg gccgggtggc c 391

<210> 3

<211> 391

<212> DNA

<213> *Mycobacterium tuberculosis*

<400> 3
agctcgatgc acggaaac cggtaaggac gcgatcacca cggcatcga ggtcgatgg 60
acgaacaccc cgacgaaatg ggacaacagt ttccctcgaga tcctgtacgg ctacgagtgg 120
gagctgacga agagccctgc tggcgcttgg caatacaccg ccaaggacgg cgccgggtgcc 180
ggcaccatcc cggacccgtt cggcgggcca gggcgctccc cgacgatgtct ggcactgac 240
ctctcgctgc gggtgatcc gatctatgag cggatcacgc gtcgctggct ggaacacccc 300
gaggaattgg ccgacgagtt cgccaaaggcc tggtaacaagc tgatccacccg agacatgggt 360

cccgttgcga gataccttgg gccgctggtc c

391

<210> 4

<211> 391

<212> DNA

<213> Mycobacterium tuberculosis

<400> 4

agctcgtatg gcacccgaaac cggtaaggac gcgatcacca cggcatcga ggttgtatgg 60

acgaacaccc cgacgaaatg ggacaacagt ttccctcgaga tcctgtacgg ctacgagtgg 120

gagctgacga agagccctgc tggcgcttgg caatacaccg ccaaggacgg cgccgggtgcc 180

ggcaccatcc cggacccgtt cggcgggcca gggcgctccc cgacgatgct ggccactgac 240

ctctcgctgc gggtggatcc gatctatgag cggatcacgc gtcgctggct ggaacacccc 300

gaggaattgg ccgacgagtt cgccaaggcc tggtacaagc tgatccaccc agacatgggt 360

cccgttgcga gataccttgg gccgctggtc c 391

<210> 5

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 5

agctcgtatg gcacccgaaac 20

<210> 6

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 6

ttgacctccc acccgacttg

20

<210> 7

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 7

agctcgtatg gcaccggaac c

21

<210> 8

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 8

ggaccagcgg cccaaaggat

20

<210> 9

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 9

ggaccaccgg cccaaaggat ct

22

<210> 10

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 10
ttttgccgc tggtgatcgc g

21

<210> 11

<211> 12

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 11
ggagagccat ag

12

<210> 12

<211> 11

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 12
tggtctgcgg a

11

<210> 13

<211> 11

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 13
ggacgaccgg g

11

<210> 14
<211> 11
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 14
ggagatttgg g

11

<210> 15
<211> 11
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 15
ccgcgagact g

11

<210> 16
<211> 12
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 16
ctagccgagt ag

12

<210> 17
<211> 11

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 17

tgttgggtcgc

11

<210> 18

<211> 11

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 18

ccgcgcgagaccg

11

<210> 19

<211> 11

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 19

ccgcaagaccg

11

<210> 20

<211> 289

<212> DNA

<213> Hepatitis C virus

<400> 20

gattctgtcttcacgcagaaagcgtctagccatggcgtaatgtgatgtgtcggtcagcct

60

ccaggacccc ccctcccgaa agagccatag tggctgcgg aaccggtag tacaccggaa 120
ttgccaggac gaccgggtcc tttcttggat caacccgctc aatgcctgga gatttggcg 180
tgcccccgcgca agactgctag ccgagtagtg ttgggtcgcg aaaggccttg tggtactgcc 240
tgatagggtg cttgcgagtg ccccgagg tctcgtagac cgtgcaatc 289

<210> 21

<211> 286

<212> DNA

<213> Hepatitis C virus

<400> 21
gattctgtct tcacgcagaa agcgtctagc catggcgta gtatgagtgt cgtgcagcct 60
ccaggtcccc ccctcccgaa agagccatag tggctgcgg aaccggtag tacaccggaa 120
ttgccaggac gaccgggtcc tttcttggat caacccgctc aatgcctgga gatttggcg 180
tgcccccgcgca agactgctag ccgagtagtg ttgggtcgcg aaaggccttg tggtactgcc 240
tgatagggtg cttgcgagtg ccccgagg tctcgtagac cgtgca 286

<210> 22

<211> 289

<212> DNA

<213> Hepatitis C virus

<400> 22
gattctgtct tcacgcagaa agcgtctagc catggcgta gtatgagtgt cgtacagcct 60
ccaggcccccc ccctcccgaa agagccatag tggctgcgg aaccggtag tacaccggaa 120
ttgccgggaa gactgggtcc tttcttggat aaacccactc tatgcccggc catttggcg 180
tgcccccgcgca agactgctag ccgagtagcg ttgggttgcg aaaggccttg tggtactgcc 240
tgatagggtg cttgcgagta ccccgagg tctcgtagac cgtgcaatc 289

<210> 23

<211> 289

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 23
gattctgtct tcacgcagaa agcgccctagc catggcgta gtacgagtgt cgtgcagcct 60
ccaggacccc ccctcccgaa agaaccatag tggctcgaa aaccggtag tacaccggaa 120
tcgctgggt gaccgggtcc tttcttggag caacccgctc aatacccaga aatttggcg 180
tgcccccgcg agatcaactag ccgagtagtg ttgggtcgcg aaaggccttg tggtactgcc 240
tgatagggtg cttgcgagtg ccccgagg tctcgtagac cgtgcaatc 289

<210> 24

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 24
ctcgcaagca ccctatca 18

<210> 25

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 25
gcagaaagcg tctagccatg g 21

<210> 26

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 26
gcagaaaagcg tctagccatg gcgttagtat gagtgcgtg cagcctccag gaccccccct 60
ccggggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaattgc caggacgacc 120
gggtcctttc ttggatcaac ccgctcaatg cctggagatt tggcgtgcc cccgcaagac 180
tgctagccga gtagtgttgg gtcgcgaaag gccttgggt actgcctgat agggtgcttg 240
cgag 244

<210> 27

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 27
gcagaaaagcg tctagccatg gcgttagtat gagtgcgtg cagcctccag gtcccccct 60
ccggggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaattgc caggacgacc 120
gggtcctttc ttggatcaac ccgctcaatg cctggagatt tggcgtgcc cccgcaagac 180
tgctagccga gtagtgttgg gtcgcgaaag gccttgggt actgcctgat agggtgcttg 240
cgag 244

<210> 28

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 28
gcagaaaagcg tctagccatg gcgttagtat gagtgcgtg cagcctccag gcccccccct 60
ccggggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaattgc cgggaagact 120
gggtcctttc ttggataaac ccactctatg cccggccatt tggcgtgcc cccgcaagac 180
tgctagccga gtagcgttgg gttgcgaaag gccttgggt actgcctgat agggtgcttg 240
cgag 244

<210> 29

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 29
gcagaaaagcg cctagccatg gcgttagtac gagtgtcgtg cagcctccag gaccggggct 60
ccggggagaa ccatagtggt ctgcggAACc ggtgagtaa ccggaaatcgc tggggtgacc 120
gggtcccttcc ttggagcaac ccgctcaata cccagaaatt tgggcgtgcc cccgcgagat 180
caactagccga gtagtgttgg gtcgcgaaag gccttgcgtt actgcctgat agggtgcttg 240
cgag 244

<210> 30

<211> 216

<212> DNA

<213> Hepatitis C virus

<400> 30
cagaaaagggt ttagccatgg gtttagtac agtgtcgtac agcctccagg cccggggctc 60
ccggggagagc catagtggtc tgccggAACc gtgagtaac ccggaaattgcc gggaaagactg 120
ggtcctttct tggataaaacc cactctatgc ccggccattt gggcgtgccccc ccgcaagact 180
gcttagccgag tagcgttggg ttgcgaaagg ccttgt 216

<210> 31

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 31
cagaaaagggt ttagccatgg cgttagtac agtgtcgtgc agcctccagg accggggctc 60
ccggggagagc catagtggtc tgccggAACc gtgagtaac ccggaaattgcc aggacgaccg 120
ggtcctttct tggataaaac ccgctcaatg cctggagatt tgggcgtgcc cccgcaagac 180
tgcttagccga gtagtgttgg gtcgcgaaag gccttgcgtt actgcctgat agggtgcttg 240
caag 244

<210> 32

<211> 239

<212> DNA

<213> Hepatitis C virus

<400> 32

gcagaaaagg	ttagccatgg	gttagtatga	gtgtcgta	gcctccagga	ccccccctcc	60
cgggagagcc	atagtggtct	gcggaaccgg	ttagtacacc	gaaattgcca	ggacgaccgg	120
gtcctttctt	ggattaaaccc	gctcaatgcc	tggagattt	ggcgtgcccc	cgcaagactg	180
ctagccgagt	agtgttgggt	cgcgaaaggc	cttgtggta	tgcctgatag	ggtgcttgc	239

<210> 33

<211> 240

<212> DNA

<213> Hepatitis C virus

<400> 33

gcagaaaagg	ttagccatgg	gttagtatg	agtgtcgta	agcctccagg	accggggctc	60
cgggagagc	catagtggc	tgcggaaccg	gtgagta	cggaaattgcc	aggacgaccg	120
ggtcctttct	tggataaaacc	cgctcaatgc	ctggagattt	ggcgtgccc	ccgcaagact	180
gttagccgag	tagtgttggg	tgcgaaagg	cttgtggta	tgcctgata	gggtgcttgc	240

<210> 34

<211> 240

<212> DNA

<213> Hepatitis C virus

<400> 34

gcagaaaagg	tttagccatg	gcgttagtat	gagtgtcgta	cagcctccag	gcggggccct	60
ccgggagag	ccatagtgg	ctgcggaacc	ggtgagta	ccgaaattac	cgaaaagact	120
gggtcccttc	ttggataaaac	ccactctatg	tccgtcatt	tggcgtgcc	cccgcaagac	180
tgctagccga	gtagcgttgg	gttgcaaaagg	cttgtggta	tgcctgata	gggtgcttgc	240

<210> 35

<211> 240

<212> DNA

<213> Hepatitis C virus

<400> 35
cagaaagggt ttagccatgg ggttagtacg agtgtcgtgc agcctccagg cccccccctc 60
ccgggagagc catagtggtc tgcggAACCG gtgagttacac cggaaatcgct ggggtgaccg 120
ggtccttct tggagcaacc cgctcaatac ccagaaattt gggcgtgccc cgcgcagatc 180
actagccgag tagtgttggg tcgcgaaagg cttgtggta ctgcctgata gggtgcttgc 240

<210> 36

<211> 239

<212> DNA

<213> Hepatitis C virus

<400> 36
agaaaagcggt tagccatggc gttagtatga gtgttgtgca gcctccagga cccccccctc 60
ccgggagagcc atagtggtct gcggAACCG tgagtacacc ggaattgcca ggacgaccgg 120
gtcctttctt gcatcaaccc gctcaatgcc tggagatttgc ggcgtgcccc cgcaagactg 180
ctagccgagt agtgttgggt cgcgaaaggc cttgtggta tcgcctgata ggtgcttgc 239

<210> 37

<211> 232

<212> DNA

<213> Hepatitis C virus

<400> 37
gttagccat ggcgttagta tgagtgtcgt gcagcctcca ggacccccc tccgggaga 60
gccatagtgg tctgcggAACCG cggtgagtac accggatttgc ccaggacgac cgggtcctt 120
cttggatcaa cccgctcaat gcctggagat ttggcgtgc ccccgcgaga ccgcgtacccg 180
agtagtgttgc ggtcgaaa ggccttgg tactgcctga tagggtgctt gc 232

<210> 38

<211> 240

<212> DNA

<213> Hepatitis C virus

<400> 38
gcagaaaagcg tttagccatg gcgttagtac gagtgcgtg cagcctccag gaccggccct 60
ccggggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaatcgc tggggtgacc 120
gggtcccttc ttggaacaac ccgctcaata cccagaaaatt tggcgtgcc cccgcgagat 180
cactagccga gtagtgttgg gtcgcgaaag gccttgggt actgcctgat agggtgcttg 240

<210> 39

<211> 44

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 39
tgctctctgg tcgctgtctg aaagacagcg tggctctcg taat 44

<210> 40

<211> 44

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 40
tgctctctgg tcgctgtctg aaagactccg tggctctcg taat 44

<210> 41

<211> 44

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 41

tgctctctgg tcgctgtctg aattttttt tggctctcg taat

44

<210> 42

<211> 14

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 42

agaccattac caga

14

<210> 43

<211> 16

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 43

gagaccattta ccagag

16

<210> 44

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 44

agagaccattt accagaga

18

<210> 45

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 45
agagaccatt acaagcga

18

<210> 46

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 46
agcgaacatt accagaga

18

<210> 47

<211> 16

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 47
agagaccaac cagaga

16

<210> 48

<211> 9

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 48
agagaccat

9

<210> 49
<211> 9
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 49
taccagaga

9

<210> 50
<211> 10
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 50
accagagagc

10

<210> 51
<211> 10
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 51
tcagacagcg

10

<210> 52
<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 52

agtggtctgc ggaaccgg

18

<210> 53

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 53

agtgtcggtt ggaaccgg

18

<210> 54

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 54

agtgtcgtaa ggaaccgg

18

<210> 55

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 55
agtgtcgta ggaaccgg

18

<210> 56

<211> 16

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 56
agtgtcggtg aaccgg

16

<210> 57

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 57
agtgtcggtt ggatccgg

18

<210> 58

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 58
agtgacgttt ggaaccgg

18

<210> 59

<211> 8
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 59
ggaacctgg

8

<210> 60
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 60
ttttgtgagt acaccggaaat

20

<210> 61
<211> 14
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 61
ttttgtgagt acac

14

<210> 62
<211> 15
<212> DNA
<213> Artificial

<220>

<223> Synthetic

<400> 62
tgagtagacacc ggaat

15

<210> 63

<211> 33

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 63
attccgggtgt actcacccgg tccaaacgac act

33

<210> 64

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 64
cagcctcccc ttctttgga

18

<210> 65

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 65
agtgtcggtt ggaatttaatt

20

<210> 66
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 66
gcgaaaaggcc ttgtgg

16

<210> 67
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 67
acagcctcca ggaccc

16

<210> 68
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 68
gcagcctcca ggaccc

16

<210> 69
<211> 193
<212> DNA
<213> Mycobacterium tuberculosis

<400> 69
cgtggaggcg atcacacccgc agacgttcat caacatccgg ccgggtggtcg ccgcgatcaa 60
ggagttcttc ggcaccagcc agctgagcca attcatggac cagaacaacc cgctgtcggg
gttacccac aagcgccgac tgcggcgct gggggcccgac ggtctgtcac gtgagcgtgc 120
cgggctggag gtc 180
193

<210> 70

<211> 26

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 70
cgtggaggcg atcacacccgc agacgt 26

<210> 71

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 71
gacctccagc ccggcacgct cacgt 25

<210> 72

<211> 128

<212> DNA

<213> Mycobacterium tuberculosis

<400> 72
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggtctgtc 120

acgtgagc

128

<210> 73

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 73

cggccgcgatc aaggagttct

20

<210> 74

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 74

gctcacgtga cagaccgccc

20

<210> 75

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 75

tgacagaccg ccggggccc

18

<210> 76

<211> 121

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 76
cggcgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggtctgtc 120
a 121

<210> 77

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 77
agacagacccg ccggggccc 18

<210> 78

<211> 121

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 78
cggcgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggtctgtc 120
t 121

<210> 79

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 79
acagaccgccc gggccca

18

<210> 80

<211> 119

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 80
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggtctgt

60

119

<210> 81

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 81
ccagaccgccc gggccca

18

<210> 82

<211> 119

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 82

cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60

cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggctcg 119

<210> 83

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 83

cagaccgcccgggccccag 18

<210> 84

<211> 118

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 84

cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60

cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggctcg 118

<210> 85

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 85

gagaccgcccgggccccag 18

<210> 86
<211> 118
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 86
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcggtctc 118

<210> 87
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 87
ccgcggggcc ccagcgccga 20

<210> 88
<211> 114
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 88
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcg 114

<210> 89
<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 89

cgcccgccggcc ccagcgccga

20

<210> 90

<211> 114

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 90

cggccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa

60

cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gcgc 114

<210> 91

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 91

cgcccgccggcc ccagcgccga

20

<210> 92

<211> 114

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 92

cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg gccg 114

<210> 93

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 93

cggggccccag cgccgaca 18

<210> 94

<211> 110

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 94

cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggcccg 110

<210> 95

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 95
agggccccag cgccgaca

18

<210> 96

<211> 110

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 96

cggccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa

60

cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggggccct

110

<210> 97

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 97

ccccagcgcc gacagtcg

18

<210> 98

<211> 106

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 98

cggccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa

60

cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctgggg

106

<210> 99
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 99
tccccagcgcc gacagtcg

18

<210> 100
<211> 106
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 100
cgcccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa
cccgctgtcg gggttgaccc acaagcgccg actgtcggcg ctggga

60

106

<210> 101
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 101
cgcttgtggg tcaaccccgaa

20

<210> 102
<211> 87
<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 102
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagcg 87

<210> 103

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 103
agcttgtggg tcaaccccgaa 20

<210> 104

<211> 87

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 104
cgccgcgatc aaggagttct tcggcaccag ccagctgagc caattcatgg accagaacaa 60
cccgctgtcg gggttgaccc acaagct 87

<210> 105

<211> 16

<212> DNA

<213> Artificial

<220>
<223> Synthetic

<400> 105
gtgacagagt ttttct

16

<210> 106
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 106
gtgacagatt gttgttct

18

<210> 107
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 107
gtgacagagc gttgttct

18

<210> 108
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 108
gtgacagaaa gttgttct

18

<210> 109
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<220>
<221> misc_feature
<222> (8)..(8)
<223> The A at this position is linked to spacers with abasic sugar labels

<400> 109
gtgacagagt tgttct

16

<210> 110
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 110
tcacgtgagc gtccatga

18

<210> 111
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic
<400> 111

cagaccgcgc acagcggg

18

<210> 112

<211> 17

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 112

gctcacgata ccccgac

17

<210> 113

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 113

tgctcacgat accccgac

18

<210> 114

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 114

cggccgggcgc tcaacccc

18

<210> 115

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 115

acagtcgggc ggttgttc

18

<210> 116

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 116

cggcccccta tgtgggtc

18

<210> 117

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 117

ctcacgtgta tctggtcc

18

<210> 118

<211> 16

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 118
tgacagacgt tgttct

16

<210> 119
<211> 18
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 119
ccccagcggc gttgttct

18

<210> 120
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 120
gtgtcgtttg gaaccg

16

<210> 121
<211> 16
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<400> 121
tgggcgttgc ttgtgg

16

<210> 122
<211> 18

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 122

ttgggcgttg cttgtggt

18

<210> 123

<211> 13

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 123

tccttgcgtcg cggt

13

<210> 124

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 124

ctcgcaagca ccctatcagg cagtaccaca aggccttcg cgacccaaca ctactcggt

60

agcagtcttg cgggggcacg cccaaatctc caggcattga gcgggttgat ccaagaaagg

120

acccggtcgt cctggcaatt ccgggtgtact caccgggtcc gcagaccact atggctctcc

180

cgggagggggg ggtcctggag gctgcacgac actcatacta acgccatggc tagacgcttt

240

ctgc

244

<210> 125

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 125
ctcgcaaggccatcagg cagtaccaca aggccattcg cgacccaaca ctactcggt 60
agcagtctcg cgggggcacg cccaaatctc caggcattga gcgggttgat ccaagaaagg 120
acccggtcgt cctggcaatt cccgtgtact caccggttcc gcagaccact atggctctcc 180
cgggaggggg ggacctggag gctgcacgac actcatacta acgcccattggc tagacgcttt 240
ctgc 244

<210> 126

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 126
ctcgcaaggccatcagg cagtaccaca aggccattcg caacccaacg ctactcggt 60
agcagtctcg cgggggcacg cccaaatggc cgggcataga gtgggttat ccaagaaagg 120
acccagtctt cccggcaatt cccgtgtact caccggttcc gcagaccact atggctctcc 180
cgggaggggg gggcctggag gctgtacgac actcatacta acgcccattggc tagacgcttt 240
ctgc 244

<210> 127

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 127
ctcgcaaggccatcagg cagtaccaca aggccattcg cgacccaaca ctactcggt 60
agtgtatctcg cgggggcacg cccaaatttc tgggtattga gcgggttgat ccaagaaagg 120
acccggtcac cccagcgatt cccgtgtact caccggttcc gcagaccact atggttctcc 180
cgggaggggg ggtcctggag gctgcacgac actcgtacta acgcccattggc taggcgcttt 240
ctgc 244

<210> 128

<211> 244

<212> DNA

<213> Hepatitis C virus

<400> 128
cucgcaagca cccuaucagg caguaccaca aggccuuucg cgacccaaca cuacucggcu 60
agcagucuug cgggggcacg cccaaaucuc caggcauuga gcggguugau ccaagaaagg 120
acccggucgu ccuggcaauu ccgguguacu caccgguucc gcagaccacu auggcucucc 180
cgggaggggg gguccuggag gcugcacgac acucauacua acgccauggc uagacgcuuu 240
cugc 244